

Amendments to the Specification:

Please replace paragraph [0022] beginning at page 12 with the following amended paragraph:

[0022] Figure 3 shows another embodiment of a PM monitor 60 for measuring a characteristic of PM. The configuration of the PM monitor 60 is similar to PM monitor 30 except that the aerosol is drawn into a inlet impactor ~~virtual-impactor~~ 62 before flowing through an ~~inlet-impactor~~ a virtual impactor 64 and into a sensor 66. The aerosol is drawn into the inlet impactor ~~virtual-impactor~~ 62 at an inlet flow rate. A major flow 68 of the virtual impactor ~~62~~ 64 exhausts particles that are smaller than a minimum particle size. A minor flow ~~70~~ 69 of the virtual impactor ~~62~~ 64 outputs an enriched aerosol at an outlet flow rate that is less than the inlet flow rate. The enriched aerosol includes particles that have an aerodynamic diameter that is greater than the minimum particle size. The particles are concentrated at a level above the ambient level by a factor approximately equal to the ratio of the inlet flow rate to the outlet flow rate of the virtual impactor ~~62~~ 64. The inlet impactor ~~64~~ 62 removes particles from the enriched aerosol that have a particle size that is greater than the maximum particle size. The remaining portion of the aerosol includes an

enriched portion containing particles ranging in size between the minimum particle size and the maximum particle size, as well as an ambient level of particles that are less than the minimum particle size.